Rabbit PRPF6 Polyclonal Antibody | anti-PRPF6 antibody

Anti-PRPF6 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127399	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot**

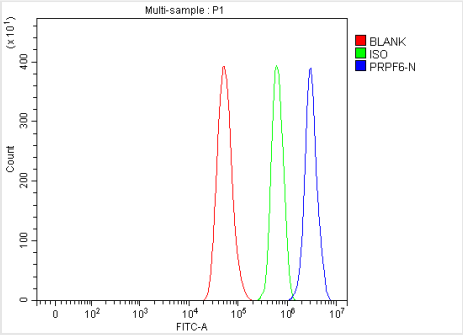
PRODUCT SYNONYMS

PRPF6; Polyclonal Antibody; Anti-PRPF6 Antibody Picoband; AP-2 complex subunit beta; neurocan; Neurocan core protein; Chondroitin sulfate proteoglycan 3; NCAN; CSPG3; NEUR; anti-PRPF6 antibody

PRODUCT SPECIFICATIONS

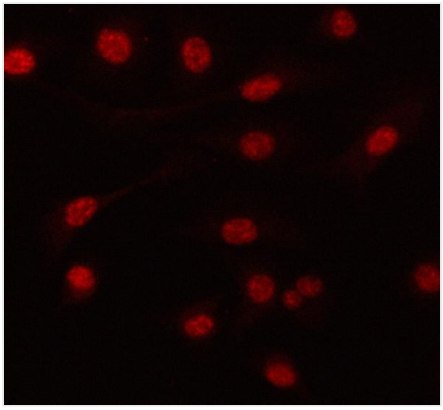
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-PRPF6 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PRPF6 recombinant protein (Position: K61-K585).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May modulate neuronal adhesion and neurite growth during development by binding to neural cell adhesion molecules (NG-CAM and N-CAM). Chondroitin sulfate proteoglycan; binds to hyaluronic acid.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



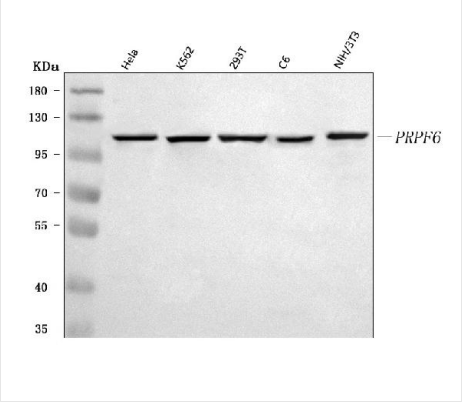
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of Hela cells using anti-PRPF6 antibody (AAA127399).Overlay histogram showing Hela cells stained with AAA127399 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PRPF6 Antibody (AAA127399, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of PRPF6 using anti-PRPF6 antibody (AAA127399).PRPF6 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PRPF6 Antibody (AAA127399) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PRPF6 using anti-PRPF6 antibody (AAA127399).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: human 293T whole cell lysates,Lane 4: rat C6 whole cell lysates,Lane 5: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PRPF6 antigen affinity purified polyclonal antibody (#AAA127399) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PRPF6 at approximately 107 kDa. The expected band size for PRPF6 is at 107 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PRPF6 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PRPF6 antibody	Primary Antibodies; Cell Adhesion Proteins; ECM Proteins; Neuroscience

References	1. Fan, S., Goto, K., Chen, G., Morinaga, H., Nomura, M., Okabe, T., Nawata, H., Yanase, T. Identification of the functional domains of ANT-1, a novel coactivator of the androgen receptor. Biochem. Biophys. Res. Commun. 341: 192-201, 2006. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 5/16/2011.3. Makarov, E. M., Makarova, O. V., Achsel, T., Luhrmann, R. The human homologue of the yeast splicing factor Prp6p contains multiple TPR elements and is stably associated with the U5 snRNP via protein-protein interactions. J. Molec. Biol. 298: 567-575, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40807485
NCBI GeneID	24148
NCBI Accession #	NP_036601
NCBI GenBank Nucleotide #	NM_012469
UniProt Accession #	O94906; O95109; Q5VXS5; Q9H3Z1; Q9H4T9; Q9H4U8; Q9NTE6; B2RAR5; B3KMC6
Molecular Weight	102,429 Da
NCBI Official Full Name	pre-mRNA-processing factor 6
NCBI Official Synonym Full Names	pre-mRNA processing factor 6
NCBI Official Symbol	PRPF6
NCBI Official Synonym Symbols	TOM; ANT1; Prp6; RP60; ANT-1; hPrp6; U5-102K; C20orf14; SNRNP102
NCBI Protein Information	pre-mRNA-processing factor 6; PRP6 homolog; PRP6 pre-mRNA processing factor 6 homolog; U5 snRNP-associated 102 kDa protein; U5-102 kDa protein; androgen receptor N-terminal domain transactivating protein-1; androgen receptor N-terminal domain-transactivat
UniProt Protein Name	Pre-mRNA-processing factor 6
UniProt Gene Name	**PRPF6**
UniProt Synonym Gene Names	C20orf14; ANT-1; U5-102 kDa protein
UniProt Entry Name	PRP6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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